

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KANSAS, Extreme Southeast				
BOURBON COUNTY --- 0.9 NNW BRONSON [37.91, -95.08], 0.6 S BRONSON [37.89, -95.07]				
	07/08/09 15:03 CST		0.15M	Thunderstorm Wind (EG 61 kt)
	07/08/09 15:03 CST		0	Source: Public
Severe thunderstorm wind damage, resulting from a bow echo, produced a swath of wind damage from one mile north of Bronson into the town of Bronson. Damage along this path included numerous power lines down, downed trees and large limbs, an overturned vehicle, significant window damage to many buildings and roof damage to homes and outbuildings.				
BOURBON COUNTY --- BRONSON [37.90, -95.07]				
	07/08/09 15:05 CST		2M	Hail (1.75 in)
	07/08/09 15:05 CST		0	Source: Emergency Manager
A supercell thunderstorm produced golf ball sized hail over the community of Bronson . Nearly every home in Bronson sustained window damage and siding damage from this wind driven large hail.				
BOURBON COUNTY --- BRONSON [37.90, -95.07]				
	07/08/09 15:09 CST		0	Hail (1.00 in)
	07/08/09 15:09 CST		0	Source: Emergency Manager
BOURBON COUNTY --- 1.6 W UNIONTOWN [37.85, -95.01]				
	07/08/09 15:15 CST		35K	Thunderstorm Wind (EG 61 kt)
	07/08/09 15:15 CST		0	Source: Emergency Manager
Severe thunderstorm winds associated with a gust front, blowing from north to south, blew a tractor trailer over on Highway 54 west of Uniontown and downed several power lines in town. Highway 54 runs east to west and is perpendicular to the severe wind gust.				
BOURBON COUNTY --- 0.6 W HIATTVILLE [37.72, -94.89]				
	07/08/09 15:20 CST		0	Thunderstorm Wind (EG 61 kt)
	07/08/09 15:20 CST		0	Source: Public
The public reported an estimated wind gust of 70 mph.				
CRAWFORD COUNTY --- FARLINGTON [37.62, -94.83]				
	07/08/09 15:42 CST		0	Thunderstorm Wind (EG 52 kt)
	07/08/09 15:42 CST		0	Source: Public
The public reported an estimated wind gust of 60 mph which downed a few trees along Englevale Road near state Highway 7.				
CHEROKEE COUNTY --- WEST MINERAL [37.28, -94.92]				
	07/08/09 16:13 CST		0	Hail (0.75 in)
	07/08/09 16:13 CST		0	Source: Emergency Manager
An isolated supercell developed over Bourbon County and moved into portions of Crawford County. This storm produced large hail up to the size of golf balls along with damaging winds up to 70 mph.				
CHEROKEE COUNTY --- 0.6 W COLUMBUS [37.17, -94.84]				
	07/13/09 01:35 CST		0	Hail (0.75 in)
	07/13/09 01:35 CST		0	Source: Emergency Manager
CHEROKEE COUNTY --- 1.6 E BAXTER SPGS [37.02, -94.70]				
	07/13/09 01:42 CST		0	Thunderstorm Wind (EG 61 kt)
	07/13/09 01:42 CST		0	Source: Amateur Radio
Severe thunderstorm winds downed several trees in and around town.				
CHEROKEE COUNTY --- 1.6 E BAXTER SPGS [37.02, -94.70]				
	07/13/09 02:42 CST		0	Hail (1.00 in)
	07/13/09 02:42 CST		0	Source: Amateur Radio

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHEROKEE COUNTY --- 0.6 W COLUMBUS [37.17, -94.84], 1.3 W COLUMBUS [37.17, -94.85], 1.4 W COLUMBUS [37.17, -94.85], 0.6 SW COLUMBUS [37.16, -94.84]				
	07/13/09 03:15 CST		0	Flash Flood (due to Heavy Rain)
	07/13/09 09:15 CST		0	Source: Emergency Manager
Training thunderstorms with very heavy rainfall, produced extensive street flooding.				
A complex of thunderstorms developed over eastern Kansas and moved eastward over the Missouri Ozarks. As the storm complex moved over the region, hail to the size of half dollars, winds up to 70 mph and flash flooding occurred.				
CRAWFORD COUNTY --- 2.5 SSW SOUTH RADLEY [37.43, -94.78], 1.9 N FLEMING [37.40, -94.78], 1.6 E KIRKWOOD [37.37, -94.70], 3.0 E PITTSBURG [37.42, -94.65], 0.9 S FRONTENAC [37.44, -94.70]				
	07/14/09 08:30 CST		0	Flash Flood (due to Heavy Rain)
	07/14/09 14:00 CST		0	Source: Emergency Manager
Morning thunderstorms from an overnight storm complex produced significant rainfall in a short period of time. This heavy rainfall, caused several creeks and dry waterways to fill and flow out of their banks placing several low water crossings in and near town to become flooded and impassable.				
A complex of thunderstorms pushed across southeast Kansas and into Missouri producing isolated heavy rainfall and flash flooding. Very heavy, but brief, rain occurred over the Pittsburg, Kansas area which produced flooding on several low water crossings and bridges in and around the town.				
CHEROKEE COUNTY --- 0.6 ESE ROSELAND [37.28, -94.84], 0.5 W TURCK [37.27, -94.84], 0.3 NE TURCK [37.27, -94.83], 0.6 W SCAMMON [37.28, -94.83]				
	07/21/09 04:21 CST		0	Flash Flood (due to Heavy Rain)
	07/21/09 10:21 CST		0	Source: Emergency Manager
Heavy rainfall from a slow moving storm complex caused the Little Cherry Creek to flow out of its banks and over Kansas Highway 7. Emergency management officials closed the road to traffic for several hours as a result of the flash flooding .				
CRAWFORD COUNTY --- 1.3 WSW PITTSBURG [37.41, -94.72], 1.4 SSE KIRKWOOD [37.35, -94.72], 1.4 ENE MC CUNE [37.35, -94.99], 4.9 N MC CUNE [37.42, -95.01]				
	07/21/09 07:22 CST		0	Flash Flood (due to Heavy Rain)
	07/21/09 13:22 CST		0	Source: Emergency Manager
Slow moving thunderstorms produced heavy rainfall across much of Crawford County causing several creeks and streams to fill quickly and rise out of their banks. Emergency management officials reported widespread flooding and road closings , particularly across the southern portions of the county. Flooded roads were reported near the towns of McCune, Monmouth, Cherokee and Chicopee.				
CHEROKEE COUNTY --- 2.8 N SHERWIN [37.22, -94.95], 3.1 NNE SHERWIN [37.22, -94.93], 0.9 W SHERWIN [37.18, -94.97], 0.9 NNE HALLOWELL [37.18, -94.99]				
	07/21/09 07:35 CST		0	Flash Flood (due to Heavy Rain)
	07/21/09 19:02 CST		0	Source: Emergency Manager
Emergency management officials reported that Cherry Creek had risen out of its banks due to heavy rainfall from slow moving thunderstorms over the county. The rising water had covered several low water roads and bridges along its course.				
CHEROKEE COUNTY --- 5.7 NW WEST MINERAL [37.33, -95.00], 2.6 E DAISY HILL [37.34, -94.73], 4.9 NNW CRESTLINE [37.24, -94.72], 3.1 ESE SHERMAN [37.24, -95.00]				
	07/21/09 18:02 CST		20K	Flood (due to Heavy Rain)
	07/22/09 10:00 CST		0	Source: Emergency Manager
Flooding continued along Cherry and Lightning Creeks which were impacting several low water roads and bridges. Emergency management officials performed a water rescue along flooded Cherry Creek, where a vehicle had driven into the flood waters. The water rescue occurred at the intersection of NW 60th Street where it crosses Cherry Creek. No injuries resulted from the water rescue.				
CHEROKEE COUNTY --- 1.5 WSW CARONA [37.26, -94.89], 0.8 ENE SHERWIN [37.19, -94.94], 1.1 NNE HALLOWELL [37.18, -94.99], 1.9 WSW WEST MINERAL [37.27, -94.95]				
	07/22/09 10:30 CST		0	Flood (due to Heavy Rain)
	07/22/09 16:30 CST		0	Source: Emergency Manager
Several areas of Cherokee County continued to experience flooding from the heavy rain which fell during the previous 24 hours. Flooding continued along Cherry Creek, which was running approximately 2.5 feet deep over Bethlehem Road and 70th Road.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHEROKEE COUNTY --- 4.4 NNE SHERMAN [37.31, -95.02], 5.3 WNW WEST MINERAL [37.32, -95.00], 3.5 NE SHERMAN [37.29, -95.01], 2.9 NNE SHERMAN [37.29, -95.03]				
	07/22/09 10:30 CST		0	Flood (due to Heavy Rain)
	07/22/09 16:30 CST		0	Source: Emergency Manager
Several areas of Cherokee County continued to experience flooding from the heavy rain which fell during the previous 24 hours. Lightning Creek remained out of its banks in northwest Cherokee County, impacting some low water roads and bridges.				
Training thunderstorms which developed under weak upper flow and a weak surface boundary produced heavy rainfall and flooding across portions of southeast Kansas and southwest Missouri. Some locations reported 24 hour rainfall totals near 5 inches.				
BOURBON COUNTY --- 2.0 N FULTON [38.03, -94.72], 2.2 N FULTON [38.03, -94.72], 2.3 NNW FULTON [38.03, -94.73], 2.1 NNW FULTON [38.03, -94.73]				
	07/28/09 15:00 CST		10K	Flash Flood (due to Heavy Rain)
	07/28/09 21:00 CST		0	Source: Emergency Manager
Heavy rainfall, from training thunderstorms, produced flash flooding near the town of Fulton. The Emergency Manager reported that Yellowstone Road suffered severe damage due to swiftly flowing flood waters. Rainfall estimates from the training storms were around 3 to 4 inches.				
Training thunderstorms, which developed in the vicinity of a stationary front, produced significant rainfall and strong winds up to 50 mph. Rainfall amounts as much as 3 to 4 inches produced flash flooding across portions of Southeast Kansas and central Missouri.				
MISSOURI, Southwest				
ST. CLAIR COUNTY --- 0.7 S APPLETON CITY [38.19, -94.03], 0.8 SE APPLETON CITY [38.19, -94.02]				
	07/11/09 02:30 CST		7K	Thunderstorm Wind (EG 50 kt)
	07/11/09 02:30 CST		0	Source: Law Enforcement
Severe thunderstorm winds caused power outages, downed trees and scattered loose outdoor items across portions of the city.				
VERNON COUNTY --- 2.2 W DEDERICK [37.85, -94.17], 1.7 ENE DEDERICK [37.86, -94.10]				
	07/11/09 02:35 CST		30K	Thunderstorm Wind (EG 50 kt)
	07/11/09 02:35 CST		0	Source: Law Enforcement
Severe thunderstorm winds downed numerous trees. Additional reports of downed tress and a 100 foot tall amateur radio tower, all laying to the east, occurred east of Dederick. Law enforcement reported minor damage to three homes occurred when trees fell on the homes.				
CHRISTIAN COUNTY --- 2.4 N MC CRACKEN [37.05, -93.18], 1.0 WSW LINDEN [37.05, -93.15]				
	07/11/09 04:35 CST		50K	Thunderstorm Wind (EG 50 kt)
	07/11/09 04:35 CST		0	Source: Public
Severe thunderstorm winds downed trees and snapped power poles in a community northeast of Ozark. Penny size hail also damaged siding.				
CHRISTIAN COUNTY --- 2.4 N MC CRACKEN [37.05, -93.18]				
	07/11/09 05:35 CST		0	Hail (0.75 in)
	07/11/09 05:35 CST		0	Source: Public
PULASKI COUNTY --- 0.9 NE CROCKER [37.96, -92.26]				
	07/11/09 16:51 CST		0	Hail (1.25 in)
	07/11/09 16:51 CST		0	Source: Law Enforcement
DENT COUNTY --- LECOMA [37.78, -91.73]				
	07/11/09 16:53 CST		0	Hail (1.25 in)
	07/11/09 16:53 CST		0	Source: Emergency Manager
DENT COUNTY --- 0.6 E ANUTT [37.72, -91.72]				
	07/11/09 16:55 CST		0	Hail (1.75 in)
	07/11/09 16:55 CST		0	Source: Emergency Manager
MARIES COUNTY --- 3.9 W BRINKTOWN [38.13, -92.15], 2.5 W BRINKTOWN [38.13, -92.13]				

Storm Data and Unusual Weather Phenomena - July 2009

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	07/11/09 17:11 CST		10K	Thunderstorm Wind (EG 50 kt)
	07/11/09 17:11 CST		0	Source: Law Enforcement
Severe thunderstorm winds downed power lines along County Road 607 south of Highway 42.				
DENT COUNTY --- 2.1 NNE HOBSON [37.78, -91.62]				
	07/11/09 17:25 CST		0	Hail (0.88 in)
	07/11/09 17:25 CST		0	Source: Trained Spotter
HOWELL COUNTY --- WILLOW SPGS [37.00, -91.97]				
	07/11/09 19:05 CST		1K	Lightning
	07/11/09 19:05 CST		0	Source: Broadcast Media
A lightning strike damage the radio service and phone lines at the Missouri State Highway Patrol Troop G Headquarters.				
TEXAS COUNTY --- 1.1 E YUKON [37.27, -91.85], 1.6 ENE YUKON [37.27, -91.84]				
	07/11/09 19:30 CST		1K	Thunderstorm Wind (EG 50 kt)
	07/11/09 19:30 CST		0	Source: Law Enforcement
Severe thunderstorm winds downed a large tree which fell on a trailer home.				
TEXAS COUNTY --- 0.7 S EUNICE [37.24, -91.78]				
	07/11/09 19:40 CST		0	Hail (1.75 in)
	07/11/09 19:40 CST		0	Source: Amateur Radio
TEXAS COUNTY --- 0.5 SSE ARROLL [37.11, -91.73]				
	07/11/09 19:45 CST		5K	Thunderstorm Wind (EG 50 kt)
	07/11/09 19:45 CST		0	Source: Broadcast Media
A barn along Highway W suffered roof damage.				
HOWELL COUNTY --- 1.1 E MOUNTAIN VIEW [37.00, -91.70]				
	07/11/09 20:08 CST		0	Hail (1.00 in)
	07/11/09 20:08 CST		0	Source: COOP Observer
HOWELL COUNTY --- 1.1 E MOUNTAIN VIEW [37.00, -91.70]				
	07/11/09 20:15 CST		0	Hail (1.75 in)
	07/11/09 20:15 CST		0	Source: Law Enforcement
HOWELL COUNTY --- 1.1 E MOUNTAIN VIEW [37.00, -91.70]				
	07/11/09 20:21 CST		0	Hail (1.75 in)
	07/11/09 20:21 CST		0	Source: Law Enforcement
OREGON COUNTY --- 3.4 WSW ALTON [36.69, -91.46]				
	07/11/09 20:45 CST		0	Hail (2.50 in)
	07/11/09 20:45 CST		0	Source: Public
HOWELL COUNTY --- 1.1 E MOUNTAIN VIEW [37.00, -91.70]				
	07/11/09 21:08 CST		0	Hail (1.00 in)
	07/11/09 21:08 CST		0	Source: COOP Observer
OREGON COUNTY --- 3.9 WSW GARFIELD [36.59, -91.46], 2.4 SW GARFIELD [36.60, -91.43]				
	07/11/09 21:30 CST		0	Thunderstorm Wind (EG 50 kt)
	07/11/09 21:30 CST		0	Source: Law Enforcement
Severe thunderstorm wind gusts downed several trees in a rural area along Highway 19, between Alton and Thayer.				
HOWELL COUNTY --- 1.1 SSW WEST PLAINS ARPT [36.73, -91.87], WEST PLAINS [36.73, -91.85]				

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	07/11/09 22:10 CST		0.12M	Thunderstorm Wind (EG 52 kt)
	07/11/09 22:10 CST		0	Source: Law Enforcement

A few store awnings were damaged from severe thunderstorm wind gusts . Numerous trees and limbs were downed by the winds with at least one SUV damaged when a large tree fell on it. These severe wind gusts also snapped six power poles along Highway 160 and downed the broadcast tower of K38HE TV within the city limits.

HOWELL COUNTY --- WEST PLAINS [36.73, -91.85], 0.5 E WEST PLAINS [36.73, -91.84]				
	07/11/09 22:11 CST		0	Thunderstorm Wind (EG 60 kt)
	07/11/09 22:11 CST		0	Source: Law Enforcement

Law enforcement officers estimated wind gusts at 60 mph.

OREGON COUNTY --- 1.7 WSW GARFIELD [36.61, -91.43], 2.3 SW GARFIELD [36.60, -91.43], 4.0 WSW GARFIELD [36.60, -91.47], 3.7 WSW GARFIELD [36.61, -91.46]				
	07/11/09 23:00 CST		0	Flash Flood (due to Heavy Rain)
	07/12/09 05:00 CST		0	Source: Law Enforcement

Heavy rainfall from a slow moving thunderstorm produced flooding across Highway A near the intersection of Highway 19 west of the town of Couch.

HOWELL COUNTY --- 1.1 SSW WEST PLAINS ARPT [36.73, -91.87]				
	07/11/09 23:11 CST		0	Hail (1.00 in)
	07/11/09 23:11 CST		0	Source: Law Enforcement

HOWELL COUNTY --- WEST PLAINS [36.73, -91.85]				
	07/11/09 23:14 CST		0	Hail (1.00 in)
	07/11/09 23:14 CST		0	Source: Law Enforcement

A cluster of severe thunderstorms, with embedded supercells, developed over central Missouri and moved southward across eastern portions of the Springfield County Warning Area. The thunderstorms produced severe winds up to 60mph, baseball size hail and heavy rainfall.

JASPER COUNTY --- 0.6 E CARTERVILLE [37.15, -94.44]				
	07/13/09 01:42 CST		0	Hail (0.75 in)
	07/13/09 01:42 CST		0	Source: Trained Spotter

NEWTON COUNTY --- RACINE [36.90, -94.53]				
	07/13/09 02:05 CST		0	Hail (1.25 in)
	07/13/09 02:05 CST		0	Source: Trained Spotter

NEWTON COUNTY --- RACINE [36.90, -94.53]				
	07/13/09 02:05 CST		35K	Thunderstorm Wind (EG 52 kt)
	07/13/09 02:05 CST		0	Source: Trained Spotter

Severe thunderstorm winds produced minor roof damage to three homes and two barns. The severe winds also downed numerous large tree limbs and power lines.

NEWTON COUNTY --- NEOSHO [36.87, -94.37]				
	07/13/09 02:25 CST		35K	Thunderstorm Wind (EG 58 kt)
	07/13/09 02:25 CST		0	Source: Law Enforcement

Severe thunderstorm winds damaged the doors at a Lowe's and downed several power lines.

MCDONALD COUNTY --- POWELL [36.62, -94.18]				
	07/13/09 02:45 CST		1K	Thunderstorm Wind (EG 58 kt)
	07/13/09 02:45 CST		0	Source: Law Enforcement

Severe thunderstorm winds downed a large tree which fell across state Highway E causing a blockage to traffic.

NEWTON COUNTY --- 0.6 WSW NEOSHO ARPT [36.82, -94.39], 0.2 SSW NEOSHO ARPT [36.82, -94.38], 0.8 NNW NEOSHO ARPT [36.83, -94.38], 1.0 NW NEOSHO ARPT [36.83, -94.39], 0.8 WSW NEOSHO ARPT [36.82, -94.39]				
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	07/13/09 05:00 CST		0	Flash Flood (due to Heavy Rain)
	07/13/09 11:00 CST		0	Source: Law Enforcement
Training thunderstorms produced heavy rainfall and flooding across Highway D south of Neosho.				
A complex of thunderstorms developed over eastern Kansas and moved eastward over the Missouri Ozarks. As the storm complex moved over the region, hail to the size of half dollars, winds up to 70 mph and flash flooding occurred.				
DENT COUNTY --- 0.6 E GLADDEN [37.50, -91.46]				
	07/15/09 14:00 CST		0	Hail (0.75 in)
	07/15/09 14:00 CST		0	Source: Public
SHANNON COUNTY --- 0.6 E ROUND SPG [37.28, -91.41]				
	07/15/09 14:23 CST		0	Thunderstorm Wind (EG 50 kt)
	07/15/09 14:23 CST		0	Source: COOP Observer
Severe thunderstorm winds downed a tree and several limbs.				
OREGON COUNTY --- 1.1 W ROVER [36.72, -91.64]				
	07/15/09 15:39 CST		0	Thunderstorm Wind (EG 50 kt)
	07/15/09 15:39 CST		0	Source: Law Enforcement
The sheriff's office reported that several trees were downed due to severe thunderstorm winds near the town of Rover.				
OREGON COUNTY --- 2.8 N GREER [36.81, -91.35]				
	07/15/09 15:44 CST		0	Thunderstorm Wind (EG 50 kt)
	07/15/09 15:44 CST		0	Source: Law Enforcement
The sheriff's office reported that several trees were downed near the McCormack Lake Recreational area.				
A small supercell thunderstorm produce hail and wind damage across portions of south central Missouri.				
WEBSTER COUNTY --- 3.0 SSE DIGGINS [37.13, -92.85]				
	07/16/09 15:38 CST		1K	Thunderstorm Wind (EG 50 kt)
	07/16/09 15:38 CST		0	Source: Law Enforcement
Severe thunderstorm winds downed a tree across Highway NN, 3 miles south of Highway 60.				
DOUGLAS COUNTY --- 0.6 E AVA [36.95, -92.64]				
	07/16/09 16:20 CST		1K	Thunderstorm Wind (EG 50 kt)
	07/16/09 16:20 CST		0	Source: Amateur Radio
Severe thunderstorm winds downed a tree across Highway Y east of Ava.				
TANEY COUNTY --- 1.5 SSE BRADLEYVILLE [36.76, -92.89]				
	07/16/09 16:28 CST		0	Hail (1.00 in)
	07/16/09 16:28 CST		0	Source: Trained Spotter
A small supercell thunderstorm produce hail and wind damage across portions of south central Missouri.				
CHRISTIAN COUNTY --- 2.9 ESE CHESTNUTRIDGE [36.82, -93.20]				
	07/20/09 14:48 CST		0	Thunderstorm Wind (EG 50 kt)
	07/20/09 14:48 CST		0	Source: Law Enforcement
Severe thunderstorm winds uprooted a large tree near town.				
LACLEDE COUNTY --- 0.6 E JONES LEBANON ARPT [37.65, -92.62]				
	07/20/09 17:31 CST		0	Hail (1.50 in)
	07/20/09 17:31 CST		0	Source: Public
Isolated severe wind and hail was produced from thunderstorms that developed well north of a stationary front located across eastern Oklahoma.				

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BARTON COUNTY --- 2.8 E IANTHA [37.52, -94.37], 0.2 WSW OAKTON [37.47, -94.37], 3.1 SE LAMAR [37.47, -94.24], 3.2 NE LAMAR [37.53, -94.23]				
	07/21/09 07:29 CST		0	Flash Flood (due to Heavy Rain)
	07/21/09 13:00 CST		0	Source: Emergency Manager
A slow moving complex of thunderstorms producing heavy rainfall flooded several streets in the town of Lamar . Widespread flash flooding was reported to emergency management officials across much of Barton County with numerous roads reported to be under water and impassable .				
JASPER COUNTY --- 3.7 SSE CENTRAL CITY [37.03, -94.57], 3.1 SE CENTRAL CITY [37.05, -94.56], 2.8 SSW JOPLIN [37.05, -94.55], 4.1 SSW JOPLIN [37.03, -94.56]				
	07/21/09 07:35 CST		0	Flash Flood (due to Heavy Rain)
	07/21/09 13:00 CST		0	Source: Emergency Manager
A slow moving complex of thunderstorms producing heavy rainfall flooded portions of Schifferdecker Road in Joplin.				
Training thunderstorms which developed under weak upper flow and a weak surface boundary produced heavy rainfall and flooding across portions of southeast Kansas and southwest Missouri. Some locations reported 24 hour rainfall totals near five inches.				
WEBSTER COUNTY --- 1.3 ESE NIANGUA JCT [37.39, -92.83]				
	07/27/09 17:20 CST		0	Hail (0.88 in)
	07/27/09 17:20 CST		0	Source: Public
WEBSTER COUNTY --- 1.3 ESE NIANGUA JCT [37.39, -92.83]				
	07/27/09 17:30 CST		0	Hail (0.88 in)
	07/27/09 17:30 CST		0	Source: Public
An isolated pulse thunderstorm produced nickle sized hail.				
MORGAN COUNTY --- 2.0 SW BARNETT [38.36, -92.70], 2.4 SW BARNETT [38.36, -92.70], 2.4 SSW BARNETT [38.35, -92.69], 2.0 SSW BARNETT [38.35, -92.68]				
	07/28/09 15:37 CST		0	Flash Flood (due to Heavy Rain)
	07/28/09 21:00 CST		0	Source: Law Enforcement
Law enforcement received two reports of water, too deep to drive through, running over the road south of Barnett on state Highway AA . County officials closed the road to through traffic for several hours .				
Training thunderstorms, which developed in the vicinity of a stationary front, produced significant rainfall and strong winds up to 50 mph. Rainfall amounts as much as three to four inches produced flash flooding across portions of Southeast Kansas and Central Missouri.				
GREENE COUNTY --- 0.9 NNW SEQUIOTA [37.16, -93.24], 1.0 SSW LANGSTON [37.17, -93.24], 1.6 WSW LANGSTON [37.17, -93.25], 1.4 WNW SEQUIOTA [37.16, -93.25], 1.0 NW GALLOWAY [37.14, -93.24], 0.5 NNW GALLOWAY [37.14, -93.23]				
	07/29/09 20:49 CST		0	Flood (due to Heavy Rain)
	07/30/09 02:00 CST		0	Source: NWS Employee
Heavy rainfall from a slow moving thunderstorm caused street flooding to occur across portions of southeast Springfield.				
GREENE COUNTY --- 3.3 W WILDWOOD ESTATES [37.12, -93.31], 3.3 W WILDWOOD ESTATES [37.12, -93.31]				
	07/29/09 21:00 CST		0	Thunderstorm Wind (EG 50 kt)
	07/29/09 21:00 CST		0	Source: Trained Spotter
Severe thunderstorm winds downed several large tree limbs along Plainview Road in southern Springfield.				
An isolated thunderstorm produced street flooding and downed some tree limbs across portions of southeastern Springfield.				
NEWTON COUNTY --- 1.9 SE STARK CITY [36.85, -94.18], 1.6 SSE STARK CITY [36.85, -94.19], 1.4 SSE STARK CITY [36.85, -94.19], 1.7 SE STARK CITY [36.85, -94.18]				
	07/30/09 09:35 CST		0	Flash Flood (due to Heavy Rain)
	07/30/09 12:00 CST		0	Source: Department of Highways
A slow moving storm complex with training thunderstorms produced heavy rainfall . Flooding occurred at a low water crossing near the intersections of Highway 86 and O on Teal Drive. The road was closed to through traffic by the Missouri Department of Transportation .				

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HOWELL COUNTY --- 3.5 SE (H63)WEST PLAINS [36.69, -91.79], 4.3 SE (H63)WEST PLAINS [36.68, -91.78], 4.0 SSE (H63)WEST PLAINS [36.68, -91.80], 3.4 SSE (H63)WEST PLAINS [36.69, -91.80]				
	07/30/09 14:30 CST		0	Flash Flood (due to Heavy Rain)
	07/31/09 00:00 CST		0	Source: Law Enforcement
A slow moving storm complex with training thunderstorms produced heavy rainfall across portions of Howell County . Flash flooding occurred on the south bound lane of Highway 63 just south of the intersection of highway PP and on the west bound lane of Highway 160. Flood waters between 8 and 12 inches were reported flowing over the roads.				
HOWELL COUNTY --- 4.6 WNW BRANDSVILLE [36.67, -91.78], 4.1 SSE (H63)WEST PLAINS [36.68, -91.80], 5.8 W BRANDSVILLE [36.64, -91.80], 3.6 W BRANDSVILLE [36.64, -91.76]				
	07/30/09 15:53 CST		0	Flash Flood (due to Heavy Rain)
	07/31/09 00:00 CST		0	Source: Public
A slow moving storm complex with training thunderstorms produced heavy rainfall across portions of Howell County . Reports from the public indicated that several low water roads and bridges southeast of West Plains were flooded .				
HOWELL COUNTY --- 1.6 NW BRANDSVILLE [36.67, -91.72]				
	07/30/09 16:53 CST		0	Heavy Rain
	07/30/09 16:53 CST		0	Source: Public
The caller reported receiving near 6.50 inches of rainfall in approximately 2 hours.				
HOWELL COUNTY --- 4.3 E SOUTH FORK [36.64, -91.89], 4.3 E SOUTH FORK [36.63, -91.89], 5.8 E SOUTH FORK [36.63, -91.87], 5.9 E SOUTH FORK [36.64, -91.86]				
	07/30/09 16:59 CST		0	Flash Flood (due to Heavy Rain)
	07/31/09 00:00 CST		0	Source: Law Enforcement
Law enforcement officials reported that flood waters were running three to four feet deep over County Road 9100 between County Road JJ and Highway 17, where the Spring Creek intersects the road. Howell Creek also flooded Highway PP and County Road 9030 east of Highway PP with three to four feet of water.				
SHANNON COUNTY --- 0.9 SE WINONA [37.01, -91.32], 0.5 SSW WINONA [37.01, -91.33], 1.2 S WINONA [37.00, -91.33], 1.4 SSE WINONA [37.00, -91.32]				
	07/30/09 16:59 CST		0	Flash Flood (due to Heavy Rain)
	07/31/09 00:00 CST		0	Source: Law Enforcement
Law enforcement officials reported that flood waters were running 6 to 10 inches deep over normally dry streets at low water bridges in Winona. Numerous road closing occurred as a result of the flash flooding and heavy rainfall.				
A slow moving complex of thunderstorms, produced heavy rainfall and flooding across portions of southwest and south central Missouri. Some reports indicated as much as six inches of rain fell in a span of only two hours.				